

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: PETZOLD ET AL 1 (RCE)

SERIAL NO: 10/646,964 EXAMINER: HOA Q. PHAM

FILED: AUGUST 22, 2003 GROUP: 2877

TITLE: METHOD OF OPTICALLY MEASURING BLACK CARBON IN THE  
ATMOSPHERE AND APPARATUS FOR CARRYING OUT THE METHOD

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MAIL STOP: RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Dear Sir:

Further to the Information Disclosure Statement filed on August 22, 2003, Applicants wish to bring to the attention of the Patent Examiner the references listed on the enclosed Form PTO-1449 and attached thereto. Copies of the U.S. Patent documents are not being submitted in accordance with current United States Patent and Trademark Office guidelines.

U.S. Patent No. 6,570,655 is the English language equivalent of DE 100 57 652. DE 197 35 205 was cited in the first Office Action of the corresponding German application (which in the meantime became a patent) and a copy of page 2 of the Office Action which shows that this reference is not considered prior art which would hinder a patent grant is enclosed together with an English language translation of this portion of the Office Action and an English language Abstract of this reference. As

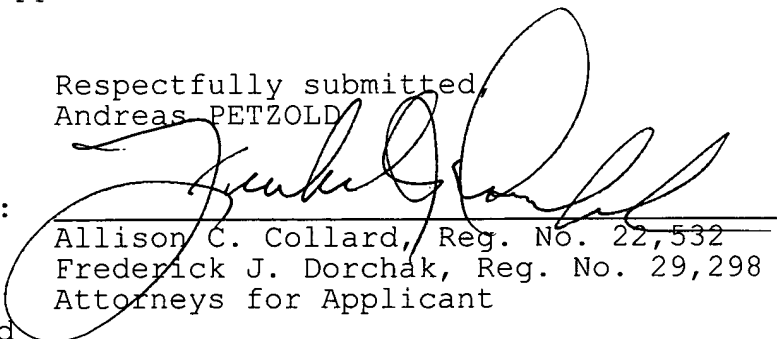
stated in the German Office Action, DE 197 35 205 (along with DE 100 57 652 and US 5,373,367) show the optical measuring of black carbon in the atmosphere.

Because this Information Disclosure Statement (IDS) is being filed before the issuance of a first Office Action on the merits in the continued examination of this application, it is believed that no fee is due. However, if a fee should be required for this IDS, the Commissioner of Patents and Trademarks is hereby authorized to charge any required fee, or to credit any overpayment, to Deposit Account No. 03-2468.

It is respectfully requested that the foregoing Information Disclosure Statement (IDS) be incorporated into the official file of the present patent application.

Respectfully submitted,  
Andreas PETZOLD

By:

  
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Enclosures: PTO-form 1449; 3 references

**EXPRESS MAIL NO.** EV 786 961 355 US  
Date of Deposit: November 16, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above, and is addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
Maria Guastella

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. :

PETZOLD ET AL. - 1

SERIAL NO.

10/646,964

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT: Andreas PETZOLD ET AL.

FILING DATE: August 22, 2003

GROUP: 2877

NOV 16 2005

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	US 6,570,655	5/2003	Schiefer et al. =DE 100 57 652			
AB	US 5,373,367	12/1994	DeGunther et al.			
AC						
AD						
AE						
AF						
AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AH	DE 100 57 652	6/2001	Germany = US 6,570,655				
	AI	DE 197 35 205	2/1999	Germany				
	AJ							
	AK							
	AL							
	AM							
	AN							
	AO							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Radiation Budget of the Boundary Layer Part II: Simultaneous Measurement of Mean Solar Volume Absorption and Extinction Coefficients of Particles, by Gottfried Hänel, Beitr. Phys. Atmosph. Vol. 60, No. 2, May 1987 (pages 241-247)
AQ	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.